

ABSTRACT

PT Exspan Nusantara as national oil and gas upstream company should manage complexity of Information System (IS) as maximal enabler, especially for planning and supporting tools.

Several problems in immature IS organization of PT Exspan Nusantara are difficulties for management to get quick executive information such as weekly oil production, cost of lifting and finding for monitoring targeted key performance indicators (KPIs) by the group, redundancy and possibility of inconsistency of technical data management because of island of data, difficulties in managing and assessing increased real cost of IT, difficulties in future IS resource plan, and IT Steering Committee issue throughout the group.

The solutions covers business IS strategy to define what IS should do which includes development of EIS and importance of POSC-based integrated data management for oil and gas sector, IS/IT Management Strategy to define how IS should be managed in context of its services throughout organization, and IT Strategy to define how IS delivers its services. The strategy includes analysis, alternatives, and recommendation for PT Exspan Nusantara. The strategies are based on Ward's framework, Porter's value chain and competitive forces, McFarlan's strategic grid, and system audit grid. Of course, the strategies should be designed from existing IT resources and external environments.

Keywords: Business IS Strategy, IT Strategy, IS/IT Management Strategy, integrated data management, information system

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